

# ICD O CODE IN CANCER REGISTRY

Presented by:

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# Data source

## Pathology report:

A. the pathologic specimen from the surgical procedure

B. Cytology report:

From body fluids (bone marrow, PBS, pleural...)

## No pathology or cytology report:

The mention of type of cancer (histology) in the medical record (Clinics, Imaging center, dead certificate...).

# ICD-O 3rd Edition

## ICD-0-3 Manual Format

Instructions

Structure and Format of ICD-0-3

Numerical list for Topography, page 43

Numerical list for Morphology, page 69

Alphabetic Index, page 105

Appendices

# ICD-O 3<sup>rd</sup> Edition Self evaluation

- ✓ **Dx: Inguinal lymph node biopsy**
- ✓ **- metastatic adenocarcinoma**
  
- ✓ **Dx: Thyroid mass resection**
- ✓ **- Papillary thyroid carcinoma**
  
- ✓ **Dx: Lung mass biopsy**
- ✓ **- Adenocarcinoma, uncertain whether primary or metastatic**
  
- ✓ **Dx: Gastric biopsy**
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- ✓ **Dx: Skin mass biopsy**
- ✓ **- Basal cell carcinoma (Superficial spreading type)**

# ICD O 3th Edition

Topography

Morphology

Rules

Error

# ICD-O 3rd Edition

## Topography Codes (C codes)

C00- C80.9

- ✓ Site of origin
- ✓ Subsite

C 50/2

Breast

Upper inner



# ICD-O 3rd Edition

## Special rules in topography

### C76/-

Ill define site

If a topographic site is modified by a prefix such as peri-, para- or the like, which is not specifically listed in ICD-O, code to the appropriate ill-defined subcategory C76 (ill-defined site), unless the type of tumor indicates origin from a particular tissue.

# ICD-O 3rd Edition

## Special rules in topography

### Overlappings

Tumors involving more than one topographic category or subcategory  
Use subcategory “8” when a single tumor overlaps the boundaries of two or more categories or subcategories and its point of origin cannot be determined

**C21.8** Overlapping lesion of rectum, anus and anal canal

□ **C67.8** Overlapping lesion of bladder



# ICD-O 3rd Edition

## Special rules in topography

### Topography codes for lymphomas

- ✓ If multiple lymph node regions are involved by lymphoma, code to **C77.8**
- ✓ Code extranodal lymphomas to the site of origin, which may not be the site of Biopsy
- ✓ If no site is indicated for a lymphoma, code to **C77.9** (lymph node, NOS)

# ICD-O 3rd Edition

## Special rules in topography

### C42/1

Code all leukemias except myeloid sarcoma (9930/3) to C42.1(bone marrow)

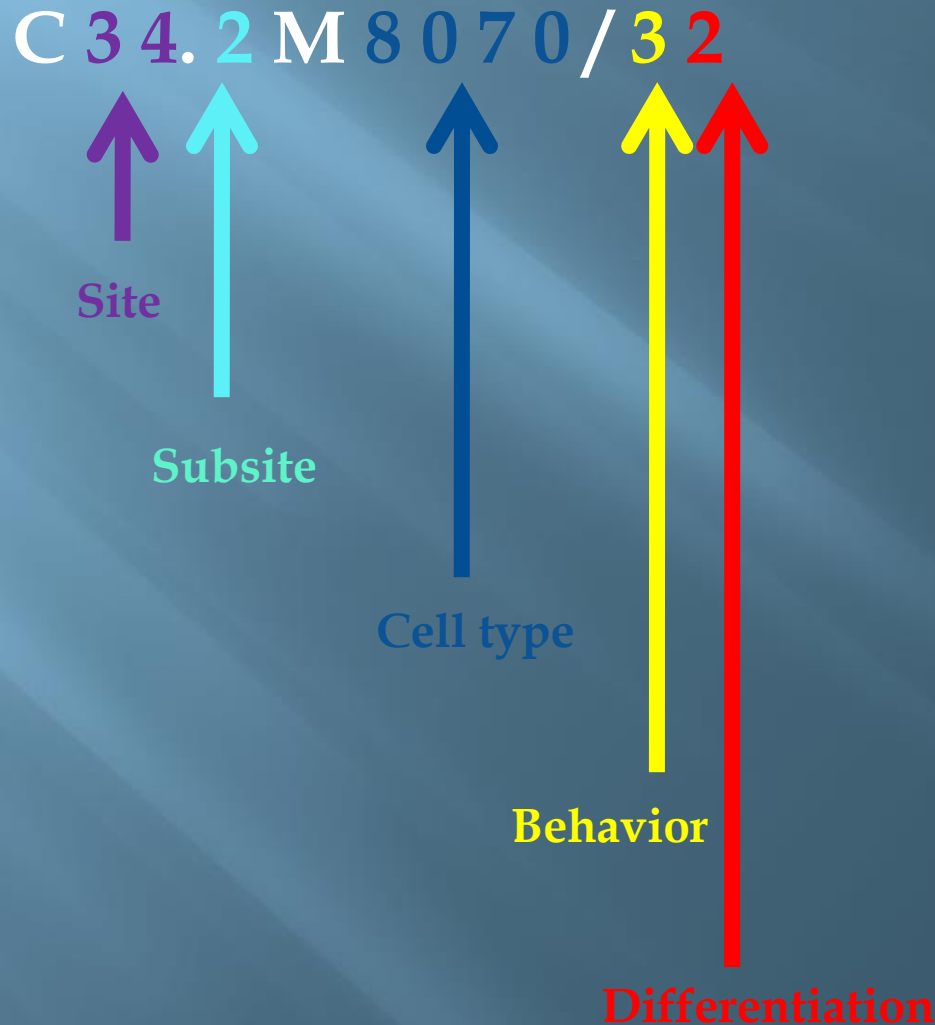
### C80/9

Unknown primary site

# ICD-O 3rd Edition

- ▣ Morphology Codes (M codes)
- ▣ M8000-M9989
  - ▣ Type of cell (first 4 digit)
  - ▣ Behavior(5<sup>th</sup> digit)
  - ▣ Grade(6<sup>th</sup> digit)

# ICD-O 3rd Edition



# ICD-O 3rd Edition

## Behavior code in morphology (5th digit)

- ✓ /0 Benign
- ✓ /1 Uncertain whether benign or malignant; borderline
- ✓ /2 In situ; non-invasive
- ✓ /3 Malignant; Invasive
- ✓ /6 Malignant; metastatic site
- ✓ /9 Malignant, uncertain whether primary or metastatic
  
- ✓ **Note:** 6 not used in cancer registry

# ICD-O 3rd Edition

Liver biopsy:

Metastatic Adenocarcinoma

If patient is known case of lung Adenocarcinoma

C34.9 M-8140/39

If unknown primary site

C80.9 M8140/39

# ICD-O 3rd Edition

**TABLE 27. WHO GRADING SYSTEM (MALIGNANCY SCALE)  
FOR CENTRAL NERVOUS SYSTEM TUMORS**

Tumor Type to be Coded	WHO Grade	ICD-O Code	ICD-O Behavior Code (5th digit)
<b>Astrocytic tumors (Astrocytoma)</b>			
Subependymal giant cell	I	9384	1
Pilocytic	I	9421	1
Low grade	II	9400	3
Pleomorphic xanthoastrocytoma	II-III	9424	3
Anaplastic	III	9401	3
Glioblastoma	IV	9440	3
<b>Oligodendrogliomas</b>			
Low grade	II	9450	3
Anaplastic	III	9451	3
<b>Oligoastrocytomas</b>			
Low grade	II	9382	3
Anaplastic	III	9382	3

# ICD-O 3rd Edition

6<sup>th</sup> digit : Differentiation

- ✓ 1: well differentiation
- ✓ 2: moderately differentiation
- ✓ 3: poorly differentiation
- ✓ 4: Undifferentiation, anaplastic
- ✓ 5: T-cell
- ✓ 6: B cell
- ✓ 7: Null cell (Non T Non B)
- ✓ 8: NK cell
- ✓ 9: Not determined



# ICD-O 3rd Edition

- ▣ Gleason grade for Prostate cancer

Gleason grade	6 <sup>th</sup> digit code
2-4	1
5-7	2
8-10	3

**The most prevalent error**

# ICD-O 3rd Edition

- ✓ Copy and paste
- ✓ No coding
- ✓ 6<sup>th</sup> digit of M code
- ✓ C code of gastric cancer: 16/1 to 16/9
- ✓ C code of skin cancer: 44/1 to 44/9 except penis(60/9) and vulva(51/9) and scrotum(63/2)
- ✓ C code of colon cancer: 18/1 to 18/9 except rectosigmoid(19/9) and rectum(20/9)
- ✓ C code of metastatic tumor (80/9)

# ICD-O 3rd Edition

- ▣ Squamous cell carcinoma, grade II
- ▣ Squamous cell carcinoma, moderately to well differentiated

**8070/32**

- ▣ MD SCC with PD areas

**8070/33**

- ▣ Anaplastic SCC

**8070/34**

# ICD-O 3rd Edition

✓ *Non-small cell carcinoma, most likely adenocarcinoma.*

Code: adenocarcinoma.

✓ SCC(8070/3), SCC Keratinizing type(8071/3), SCC non-keratinizing(8072/3)

# ICD-O 3rd Edition

Thyroid, Papillary Carcinoma

~~8050/3, 8010/3~~



8260/3

Follicular variant(8340/3)

Columnar cell(8344)

# ICD-O 3rd Edition

## Basal cell Carcinoma

~~8090/31, 8090/32, 8090/33,...~~



8090/39

✓ BCC (subtype)

NOS (8090)

Superficial(8091)

Desmoplastic(8092)

Nodular(8097)

Basosquamous(8094)

✓ Multiple masses

# ICD-O 3rd Edition

Endometroid Carcinoma

~~M8010/3, C54.1~~



M8380/3, C56.9 or C54.1



# ICD-O 3rd Edition

- ✓ Undifferentiated carcinoma: 8020/34
- ✓ Anaplastic carcinoma: M8021/34
- ✓ Malignant neoplasm: 8000/39
- ✓ Spindle cell malignant tumor: 8004/39
- ✓ Neoplasm malignant, uncertain whether primary or metastatic: 8000/39

# ICD-O 3<sup>rd</sup> Edition

## Metastasis

- ✓ **Dx: Liver biopsy**
- ✓ **- metastatic adenocarcinoma**
- ✓ **C80/9 M8140/39**
  
- ✓ **Dx: Liver biopsy(Known case of gastric adenocarcinoma)**
- ✓ **- Metastatic adenocarcinoma**
- ✓ **C16/9 M8140/39**
  
- ✓ **Dx: Liver biopsy**
- ✓ **- Adenocarcinoma, uncertain whether primary or metastatic**
- ✓ **C22/0 M8140/39**
  
- ✓ **Dx: Liver biopsy**
- ✓ **- Malignant neoplasm, uncertain whether primary or metastatic**
- ✓ **C22/0 M8000/39**

# ICD-O 3rd Edition

## Bladder

- ✓ Transitional cell carcinoma: 8120/39
- ✓ Papillary transitional cell carcinoma: M8130/39

# ICD-O 3rd Edition

**These terms don't need ICD O code in pap smear**

- ✓ Suggestive for malignancy
- ✓ suspicious for malignancy
- ✓ CIN II, CIN I
- ✓ LSIL ( Low grade squamous intraepithelial lesion )

# ICD-O 3rd Edition

## These term need to ICD O code

- ✓ CINIII(Cervical intraepithelial neoplasia , gradeIII)
- ✓ HSIL (high grade squamous intraepithelial lesion)
- ✓ Positive for malignancy
- ✓ Consistent with malignancy
- ✓ Compatible with malignancy
- ✓ Malignant cells
- ✓ Malignant spindle cells

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- ✓ **C16/9 M8021/34**
  
- ✓ **Dx: Skin mass biopsy**
- ✓ **- Basal cell carcinoma (Superficial spreading type)**
- ✓ **C44/9 M8091/39**